

AMANITA LACTEA MALENÇON ROMAGN. & REID, AN INFREQUENT SPECIES IN THE IBERIAN PENINSULA. NEW CHOROLOGICAL CONTRIBUTIONS

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RÉSUMÉ: Un taxon peu fréquent du genre *Amanita*, *A. lactea* Malençon Romagn. & Reid est décrit macro — et microscopiquement à partir de matériel provenant du Sud de l'Espagne. Son aire de distribution est ainsi augmentée, ce qui permet de confirmer sa tendance méditerranéenne.

MOTS CLÉS: *Amanita*, chorologie, Espagne.

ABSTRACT: Material of an infrequent taxon of the genus *Amanita*, viz. *A. lactea* Malençon Romagn. & Reid, collected in southern Spain, is macroscopically and microscopically described. Its distribution area is expanded and its mediterranean preference is confirmed.

KEY WORDS: *Amanita*, fungal chorology, Spain.

Amanita lactea Malençon, Romagn. & Reid, *Rev. Mycol., nouv. sér.* 32(5): 408. 1968

Macroscopic description:

Pileus at the beginning convex, later flattened, 3-9 cm in diameter, pure white in colour, with ochre or cream zones in older specimens. Margin mostly sulcate (spanning up to 1 cm), incurved, non-appendiculate. Readily detachable, smooth, shiny cuticle. Universal veil present in the form of large, white patches or absent.

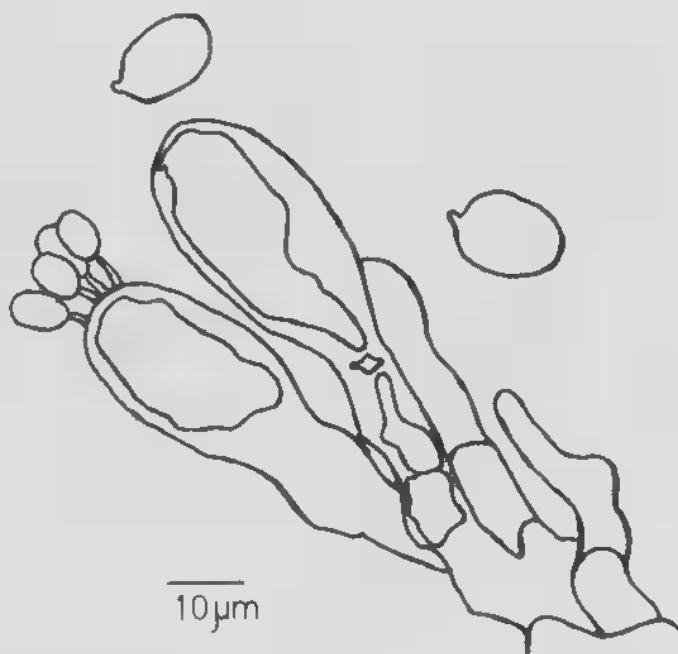


Fig. 1. — Basidium and basidiospores of *Amanita lactea* Malençon, Romagn. & Reid.

Hymenophore consisting of free lamellae, 0.8-1 cm wide and few lamellulae distant, 8-11 per cm, white to cream-coloured when mature, with a thick, crenulate, intensely white margin.

Stipe robust, hollow, white, cylindrical, up to 9.5×2.5 cm, partly coated with white, farinaceous, easily detachable scales. Annulus rarely visible, very fugacious as in other species of section *Vaginatae*. Volva wide, membranous, saccate and white, similar to that of *Amanita ovoidea* (Bull.: Fr.) Link.

Flesh fibrous, white, immutable, without typical flavour or odour.

Microscopic description:

Pileipellis in upper part composed of gelatinized $2.5-8 \mu\text{m}$ wide hyphae, and lower down with terminal elements $85-125 \times 25-37 \mu\text{m}$ in size, interwoven or fasciculate, slightly brownish in lowest part near trama.

Universal veil made up of $1.8-7.5 \mu\text{m}$ wide, branched, fasciculate hyphae ending in ellipsoid, ovoid or subglobose swollen cells up to $52 \times 36 \mu\text{m}$ in size.

Basidia four-spored, clampless up to $80 \times 13 (18) \mu\text{m}$ (figure 1). Basidiospores inamyloid, ellipsoid with ■ lateral apiculus $11-13(16) \times 8-10(11) \mu\text{m}$. $Q=1.2-1.6 (1.8)$.

Material studied:

CÓRDOBA: Córdoba. — Arroyo de Pedroche, 30SUG4499, under *Quercus rotundifolia* and *Q. coccifera*, with *Cistus albidus* and in a deserted olive grove, 30-XI-1992, leg.

A. Castro & J. Gómez-Arjona, COFC(F) 1373; idem, 01-XII-1994, COFC(F) 1375; idem, 06-XII-1994, leg. C. Olivares & R. Porras, COFC(F) 1374; idem, 03-XII-1997, leg. A. Castro & F. Infante COFC(F) 1837.

HUELVA: Calañas. — Puertos Pelados, 29SPB8469, under *Cistus*, *Chamaerops humilis*, *Lavandula stoechas*, etc., 10-V-1997, leg. T. Jarillo, LOU-Fungi 9363.

Distribution:

In Spain, this species had only been previously reported in Gerona by VIDAL & PASCUAL (1993) and in Guadalajara by CASTRO (1997). It is a rare taxon that occurs in Morocco, France, Greece (TULLOSS, 1994) and Italy (MERLO & TRAVERSO, 1983). *A. lactea* is a characteristic taxa for the association *Quercetum ilicis gallo-provinciale*, subassociation *pistacietosum* — over limestone — (CHEVASSUT, 1988).

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